

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(diffusion near3 (layer barrier)) with ('ru' rhthenium ) with (('cu' copper) with diffus\$3) with (ruo2 rhthenium near3 oxide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 14:14
L2	0	(diffusion near3 (layer barrier)) with ('ru' rhthenium ) with (('cu' copper) with diffus\$3) same (ruo2 rhthenium near3 oxide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 14:23
L3	0	(diffusion near3 (layer barrier)) with (ruo2 rhthenium near3 oxide) with (('cu' copper) with diffus\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 14:24
L4	0	(ruo2 rhthenium near3 oxide) with (('cu' copper) with diffus\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 14:24
L5	24	(ruo2 rhthenium near3 oxide) with ('cu' copper)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 14:46
L6	2	barrier with (ruo2 rhthenium near3 oxide) with ('cu' copper)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:18
L7	1	barrier with ((ruo2 rhthenium near3 oxide) and (ru rhthenium)) with ('cu' copper)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 14:48
L8	38	"5618746"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 14:48
L9	1	"5536672".PN.	USPAT; USOCR	OR	OFF	2006/03/16 14:57
L10	1	"5386382".PN.	USPAT; USOCR	OR	OFF	2006/03/16 14:57
L11	5	barrier same (ruo2 rhthenium near3 oxide) with ('cu' copper)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:36
L12	0	(ruo2 rhthenium near3 oxide) with ('cu' copper) with diffus\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:39
L13	24	(ruo2 rhthenium near3 oxide) with ('cu' copper)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:42
L14	39	(copper with interconnect\$3) same barrier with (ru ruthenium)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:44
L15	40	(copper with interconnect\$3) same (barrier diffus\$3) with (ru ruthenium)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:44

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L16	2	15 and (copper with interconnect\$3) same (barrier diffus\$3) with (ruo2 ruthenium near3 oxide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:51
L17	2	15 and (copper with interconnect\$3) same (barrier diffus\$3) with (ruo2 ruthenium near3 oxide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:45
L18	318	(barrier diffus\$3) with (ruo2 ruthenium near3 oxide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:51
L19	108	(barrier diffus\$3) near5 (ruo2 ruthenium near3 oxide)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:52
L20	3	(barrier diffus\$3) near5 (ruo2 ruthenium near3 oxide) with copper	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 15:59
L21	1	"5555486".PN.	USPAT; USOCR	OR	OFF	2006/03/16 15:56
L22	1	"5183775".PN.	USPAT; USOCR	OR	OFF	2006/03/16 15:58
L23	3	(barrier diffus\$3) near5 (ruo2 "ru. sub.2" ruthenium near3 oxide) with copper	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 16:00
L24	3	(barrier diffus\$3) near5 (ruo2 "ru. sub.2" ruthenium near3 oxide) with copper	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 16:00
L25	3	(barrier diffus\$3) near5 (ruo2 "ru. sub.x" ruthenium near3 oxide) with copper	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 16:01
L26	64	(barrier diffus\$3) near5 ( ruthenium ru) with copper	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/16 16:02